Performance Data Sheet

AEB1380AXA

General Information

Model	AEB1380AXA	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	388	360	328	290	247	196	139
	Watts	156	156	154	150	144	135	123
	Amps	2970	2320	1820	1460	1220	1090	1060
	Lb/h	6.23	5.78	5.26	4.66	3.95	3.15	2.22
-35	Btu/h	465	439	408	372	330	282	227
	Watts	166	167	167	165	160	153	143
	Amps	1910	1380	985	710	542	471	482
	Lb/h	7.48	7.05	6.55	5.97	5.30	4.53	3.64
-30	Btu/h	550	524	494	460	420	374	321
	Watts	177	179	179	179	176	171	163
	Amps	1150	722	416	217	112	87.8	132
	Lb/h	8.84	8.42	7.94	7.39	6.75	6.01	5.16
-25	Btu/h	642	617	588	555	517	473	422
	Watts	188	190	192	193	192	189	183
	Amps	625	295	70.3				
	Lb/h	10.3	9.92	9.46	8.93	8.32	7.61	6.79
-20	Btu/h	743	718	691	659	622	580	531
	Watts	199	202	205	207	207	206	202
	Amps	302	56.6					
	Lb/h	12.0	11.6	11.1	10.6	10.0	9.33	8.55
-15	Btu/h	853	829	802	771	736	695	648
	Watts	212	215	219	221	223	223	221
	Amps	132						
	Lb/h	13.7	13.4	12.9	12.4	11.9	11.2	10.5
-10	Btu/h	973	950	924	894	860	820	775
	Watts	225	229	233	236	239	240	240
	Amps	66.3						57.1
	Lb/h	15.7	15.3	14.9	14.4	13.9	13.2	12.5
-5	Btu/h	1110	1080	1060	1030	994	955	912
	Watts	239	243	247	252	255	258	259
	Amps	59.9	0.70		7.36	47.4	94.9	137
	Lb/h	17.8	17.5	17.1	16.6	16.1	15.4	14.7

0	Btu/h	1250	1230	1200	1170	1140	1100	1060
	Watts	254	258	263	268	272	276	278
	Amps	65.7	46.6	58.7	89.3	125	154	162
	Lb/h	20.2	19.8	19.4	18.9	18.4	17.8	17.1
5	Btu/h	1410	1380	1360	1330	1300	1260	1220
	Watts	271	275	280	285	290	294	298
	Amps	37.0	46.9	73.4	104	125	124	87.5
	Lb/h	22.8	22.4	22.0	21.5	21.0	20.4	19.8
10	Btu/h	1570	1550	1530	1500	1470	1430	1390
	Watts	289	293	298	303	309	314	318
	Amps				3.78			
	Lb/h	25.6	25.2	24.8	24.3	23.8	23.2	22.6

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.425069E+03	2.964499E+02	2.887830E+03	2.306533E+01
C2	3.194442E+01	5.121817E+00	-1.619253E+02	5.223104E-01
C3	-2.929935E+00	-1.920148E+00	-8.038094E+01	-4.787661E-02
C4	2.809655E-01	5.293677E-02	1.075603E+00	4.741508E-03
C5	-4.577397E-02	-4.379883E-02	3.191412E+00	-7.264038E-04
C6	1.809818E-02	2.359636E-02	7.353930E-01	2.973809E-04
C7	1.090256E-03	2.146723E-04	-6.219650E-02	1.939750E-05
C8	-3.239815E-04	-3.146372E-04	-2.206002E-02	-5.329657E-06
C9	2.633779E-04	2.502945E-04	-1.470652E-02	4.142323E-06
C10	-1.129808E-04	-7.727180E-05	-2.144943E-03	-1.839048E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature